WHAT IS CLAIMED IS:

1. A large-scale image display apparatus using optical fiber, comprising a condensing member 17 for condensing light to be emitted from an illuminating device 18 and sending the light to an image receiving surface 12 of an optical fiber bundle 11, and an image display device 10 for inputting an image to the image receiving surface 12 of the optical fiber bundle 11, the large-scale image display apparatus being characterized by comprising:

a plurality of optical fiber bundles 11 having sectional areas different from each other; and

connectors 21 for connecting the plurality of optical fiber bundles 11 and enabling magnification control of first and second lenses 27 provided at the insides thereof.

2. The large-scale image display apparatus using optical fiber according to claim 1, wherein the image display device 10 comprises a decoder card 14 and a liquid crystal panel 15.

3. The large-scale image display apparatus using optical fiber according to claim 1, wherein the image display device 10 is a DLP (Digital Light Processing) projector 18 comprising a DMD (Digital Micromirror Device).

4. The large-scale image display apparatus using optical fiber according to claim 1, wherein the image display device 10 is an LCD projector 19.

5. The large-scale image display apparatus using optical fiber according to claim 1, wherein each of the connectors 21 comprise a body 24 provided with a long hole 25 at one side thereof, the first lens 26 fixed to an inside of the body 24, the second lens 27 having a projection 28 to be inserted into the long hole 25, and a rotation ring 29 provided with a spiral groove at the inside thereof.

6. The large-scale image display apparatus using optical fiber according to claim 1, wherein a display surface 13 of one optical fiber bundle 11 is divided into multiple pieces, and the plurality of optical fiber bundles 11 are connected to the divided pieces of the display surface 13 through the connectors 21, respectively.

7. The large-scale image display apparatus using optical fiber according to claim 5, wherein the body 24 of one connector 21 is divided into multiple pieces, the first lens 26 and the second lens 27 are provided at each inside thereof, respectively, and the rotation ring 29 is provided at outer peripheral edges of the divided pieces of the body 24, respectively.